

Service Manual



DOLBY* SYSTEM HI-FI CASSETTE DECK WITH HPF* HEAD AND AUTO STOP



RS-610US MECHANISM SERIES

MODEL **RS-610US** MODEL **RS-610USD**

SPECIFICATIONS

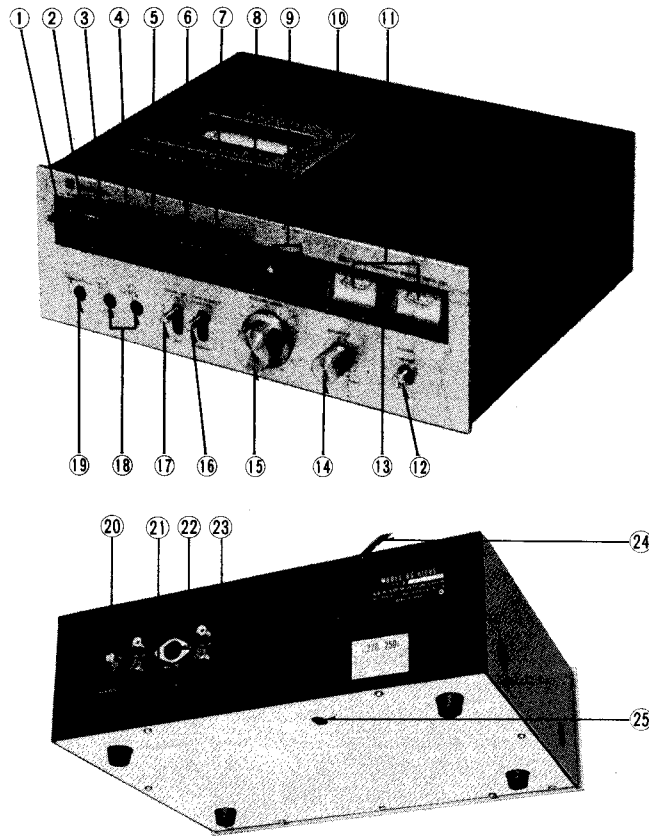
| | | | |
|----------------------|--|----------------------------------|--|
| Power Source: | AC: 90~109, 110~125, 200~219, 220~250 volts, 50/60 Hz | Signal to Noise Ratio: | Dolby NR OUT: 49 dB |
| Power Source: | AC: 220 volts, 50/60 Hz | | Dolby NR IN: 59 dB at 10 KHz |
| Power Consumption: | Approx. 8 W | Wow & Flutter: | 0.12% (WRMS), $\pm 0.25\%$ (DIN45507) |
| Motor: | Electronic speed control motor | Inputs: | 2-MIC 0.3 mV/applicable |
| Transistors: | 2SC1327(4) 2SC644(2) 2SC828(14) 2SA564(2) 2SC1347(3) 2SK37(2) | | MIC impedance 200~600 Ω |
| Diodes & Rectifiers: | OA90Z(6) 1S1211(6) EQA0108(1) SIB0102(2) | Outputs: | 1-DIN 0.3 mV/2 K Ω |
| Recording System: | AC bias, 85 kHz | | 2-LINE 60 mV/470 K Ω |
| Erase System: | AC erase | | 1-DIN 420 mV/3 K Ω |
| Track System: | 4-track, 2channel stereo | | 2-LIN 420 mV/50 K Ω |
| Tape Speed: | 4.8 cm/s (1-7/8 ips.) | | 1-HEADPHONE 8 Ω |
| Frequency Response: | 20~14,000 Hz (with normal tape) | Fast Forward and Rewind Time: | Approx 90 seconds with C-60 cassette tape |
| | 20~16,000 Hz (with CrO ₂ tape) | Dimensions: | 336mm(W) \times 116mm(H) \times 290mm(D) 13-1/4" (W) \times 4-1/8" (H) \times 11-1/2" (D) |
| | | Weight: | Approx. 6 kg (13-1/4 lbs.) |

These specifications are subject to change in order to accommodate improvements in design.

Matsushita Electric Industrial Co., Ltd.
MATSUSHITA ELECTRIC TRADING CO., LTD.
P.O. Box 288 Central, Osaka, Japan



LOCATION OF PARTS



- ① Eject button
- ② Record button
- ③ Rewind button
- ④ Fast forward button
- ⑤ Playback button
- ⑥ Stop button
- ⑦ Pause button
- ⑧ Head cover
- ⑨ Tape counter and reset button
- ⑩ Cassette cover
- ⑪ Level meters
- ⑫ Power switch
- ⑬ Record indicator
- ⑭ Balance control
- ⑮ Record level control
- ⑯ Tape selector
- ⑰ Dolby NR switch
- ⑱ Microphone jacks
- ⑲ Headphone jack
- ⑳ Earth terminal
- ㉑ LINE OUT jacks
- ㉒ Record/playback connection socket
- ㉓ LINE IN jacks
- ㉔ AC power cord
- ㉕ AC voltage selector switch (RS-610US only)

Fig. 1

DISASSEMBLY INSTRUCTION

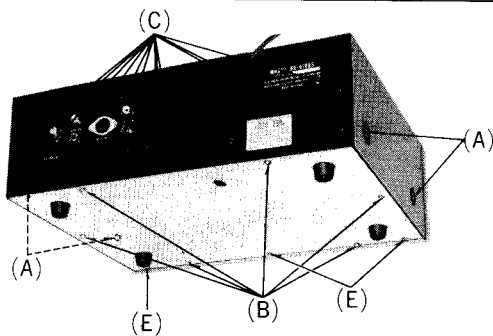


Fig. 2

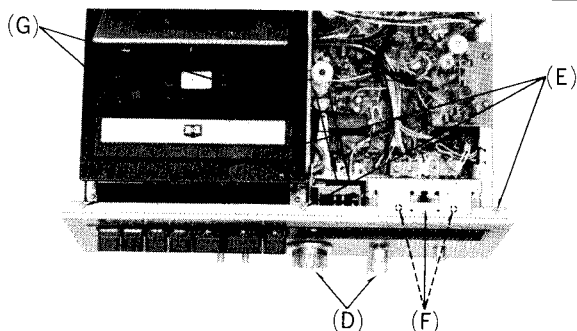


Fig. 3

HOW TO REMOVE TOP COVER AND BOTTOM PLATE

1. Remove 4 top cover holding screws (A) and remove the top cover (See fig. 2.)
2. Remove 6 bottom board holding screws (B) and remove the bottom plate.

HOW TO REMOVE BACK BOARD

1. Remove 12 back board holding screws (C) and remove the back board (See fig. 3.)

HOW TO REMOVE FRONT PANEL

1. Remove 2 knobs (D) shown in figs. 3 and 6 front panel holding screw (E) shown in figs. 2 and 3.
2. Remove 3 level meter holding screws (F) and remove the front panel (See fig. 3).

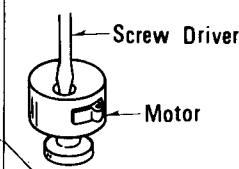
HOW TO REMOVE CASSETTE CASE ASSEMBLY

1. Remove 2 screws (G) and remove the cassette case assembly (See fig. 3).

MECHANICAL ADJUSTMENTS

Instruments required:

Spring gauge (having a range of 0~1 kgr), cassette torque meter (RP-8063N), wow & tape speed test tape (C-WAN), Digital frequency counter, Wow meter.

| ITEM | MODE | SPEC. | MEASUREMENT METHOD | ADJUSTMENT METHOD | REMARKS |
|---|----------|-------------------|--|--|--|
| Pressure roller adjustment. | Playback | 400 ± 50 gr | Hook the spring gauge to pressure roller lever and pull it in the direction of the arrow as shown in fig. 4. | Adjust by bending the (a) part of the pressure roller spring. | Measure the value at the moment when the pressure roller moves away the capstan. |
| Measurement & adjustment of takeup tension. | Playback | 55 ± 15 gr-cm | Mount the cassette torque meter in the same way as the cassette tape. The take up tension is shown as in fig. 5. | Turning the plate spring, adjust frictional force. See fig. 6. | — |
| Tape speed deviation. | Playback | $\pm 3\%$ or less | Playback 3 kHz test tape (C-WAN) and read the frequency with digital frequency counter. | Speed adjustment VR (inside motor). |  |
| Wow & flutter. (RMS) | Playback | 0.12% or less | Playback 3 kHz test tape (C-WAN) and read with the wow meter. | — | — |
| Measurement of detecting piece tension. | Playback | 50 ± 10 gr | Press part A of the detecting piece in a straight line in the direction of the arrow, as shown in fig. 7. | Adjust by bending the (b) part of the detecting piece spring. | — |

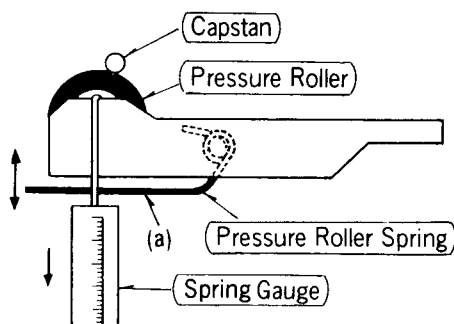


Fig. 4

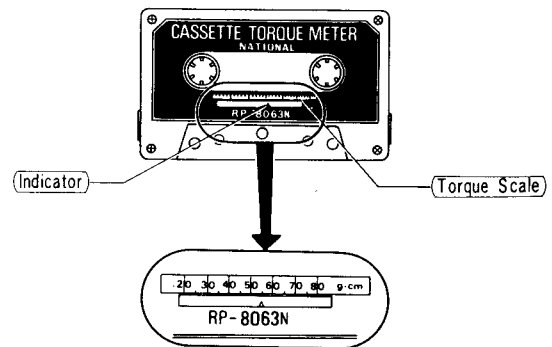


Fig. 5

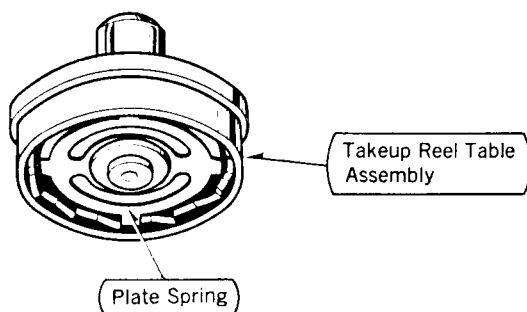


Fig. 6

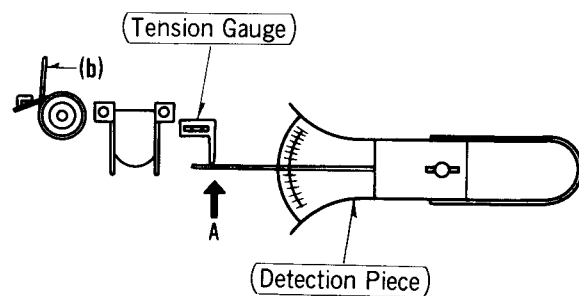


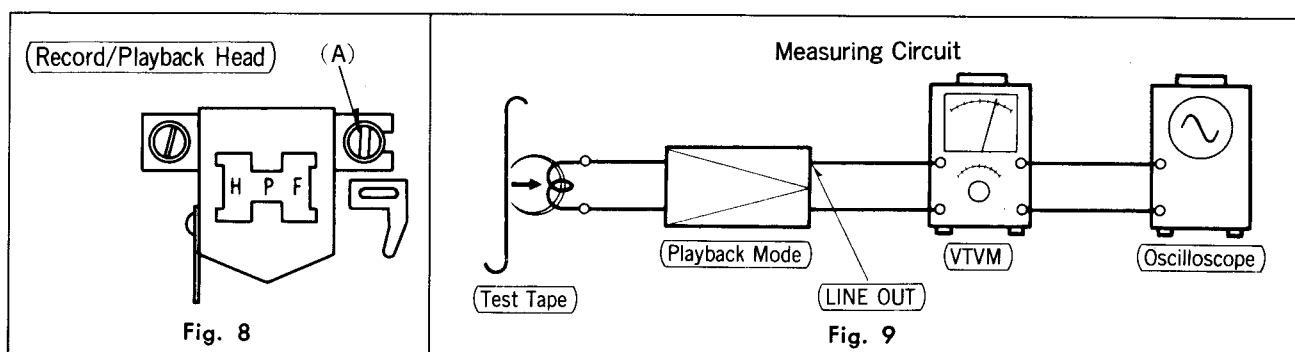
Fig. 7

ELECTRICAL ADJUSTMENTS

HEAD AZIMUTH ADJUSTMENT

(1) Method

1. Test equipments connection is shown in fig. 9.
2. Play azimuth tape (C-AAN 6.3 kHz).
3. Adjust R/P head angle adjust screw (A) in fig. 8 so that output at the LINE OUT jack become maximum.
(When adjusting the R/P head, set the playback VR and tone VR to maximum).
4. After adjustment, lock the head adjust screw with lacquer.



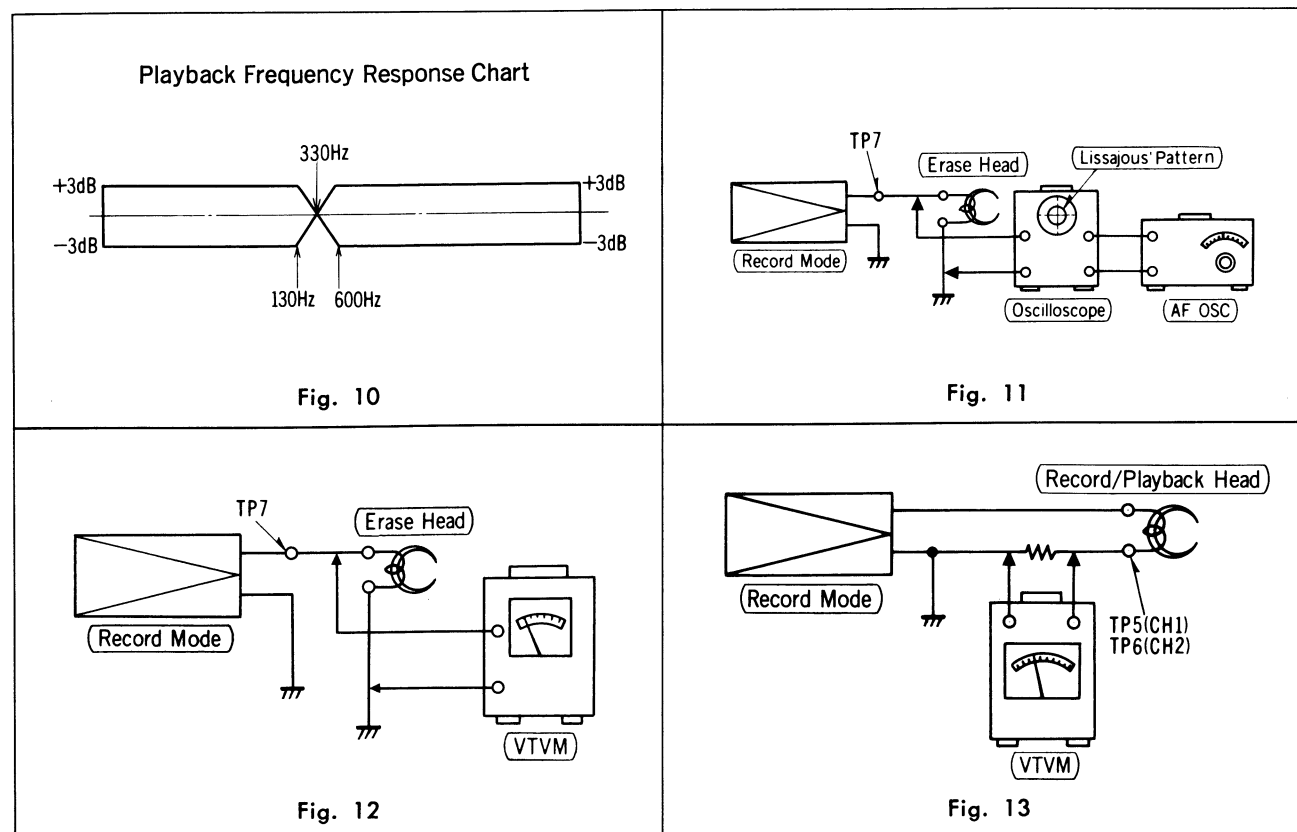
AMPLIFIER ADJUSTMENTS

Measurement condition

Record level controlMaximum
Tape selectorNormal

Dolby NR SwitchOUT

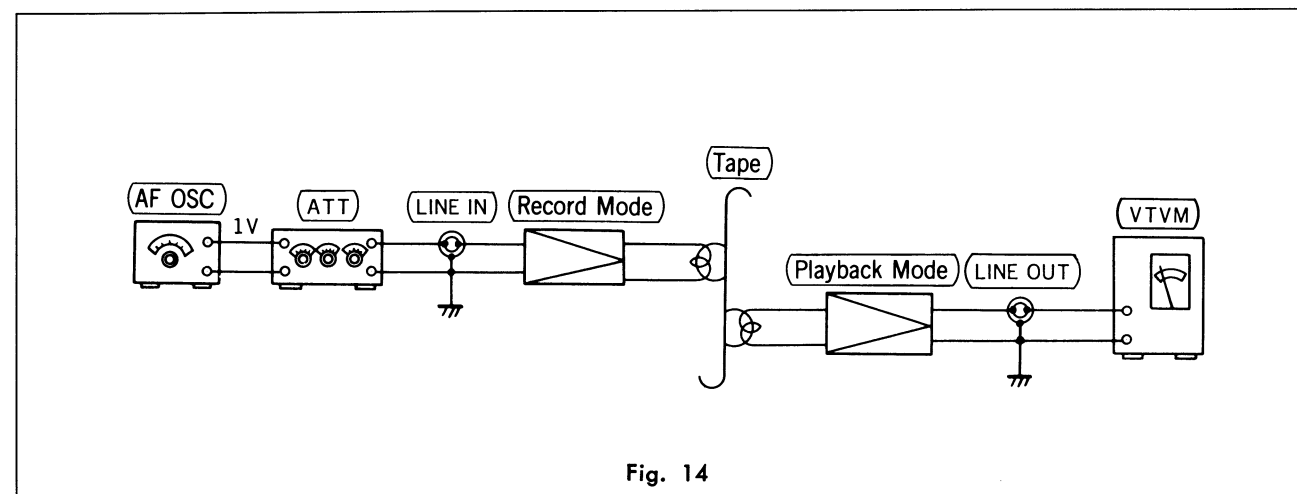
| ITEM | SIGNAL SOURCE CONNECTION | OUTPUT CONNECTION | MODE | ADJUSTMENT | SPEC. | REMARKS |
|------------------------------|--|--|----------|--|-----------------------------------|---------------------------------------|
| Playback frequency response. | Playback the test tape C-FDN. | VTVM to LINE OUT jack. | Playback | VR1 (CH1) VR2 (CH2) | See fig. 10. | — |
| Playback gain. | Playback the test tape C-FDN. | VTVM to LINE OUT jack. | Playback | VR3 (CH1) VR4 (CH2) | 0.42 ± 0.08 V | The frequency of test tape is 333 Hz. |
| Bias oscillation frequency. | — | Oscilloscope with AF OSC to TP7. | Record | — | 84 ± 7 kHz | See fig. 11. |
| Erase current. | — | VTVM to TP7 See fig. 12. | Record | — | Greater than 15 V. | Record level control: Minimum. |
| Recording bias current. | — | VTVM to TP5 (CH1) TP6 (CH2) See fig. 13. | Record | L7 (CH1) L8 (CH2) See fig. 16. | $2 \text{ mV} \pm 0.5 \text{ mV}$ | Record level control: Minimum. |
| Bias trap coil adjustment. | — | VTVM to TP1 (CH1) TP2 (CH2) | Record | L1 (CH1) L2 (CH2) See fig. 16. | Minimum | Use plastic adjusting driver. |
| Standard recording level. | Refer to "Standard Recording Level Adjustment" on next page. | | | | | |
| Level meter adjustment. | Same as above. | VTVM to LINE OUT jack. | Record | VR13 (CH1) VR14 (CH2) See fig. 16. | 0 VU on VU meter. | At 0.42 V of LINE OUTPUT. |
| Overall frequency. | Refer to "Overall Frequency Response Adjustment" on next page. | | | | | |



STANDARD RECORDING LEVEL ADJUSTMENT

NOTE: Use the test tape C-RA-30.

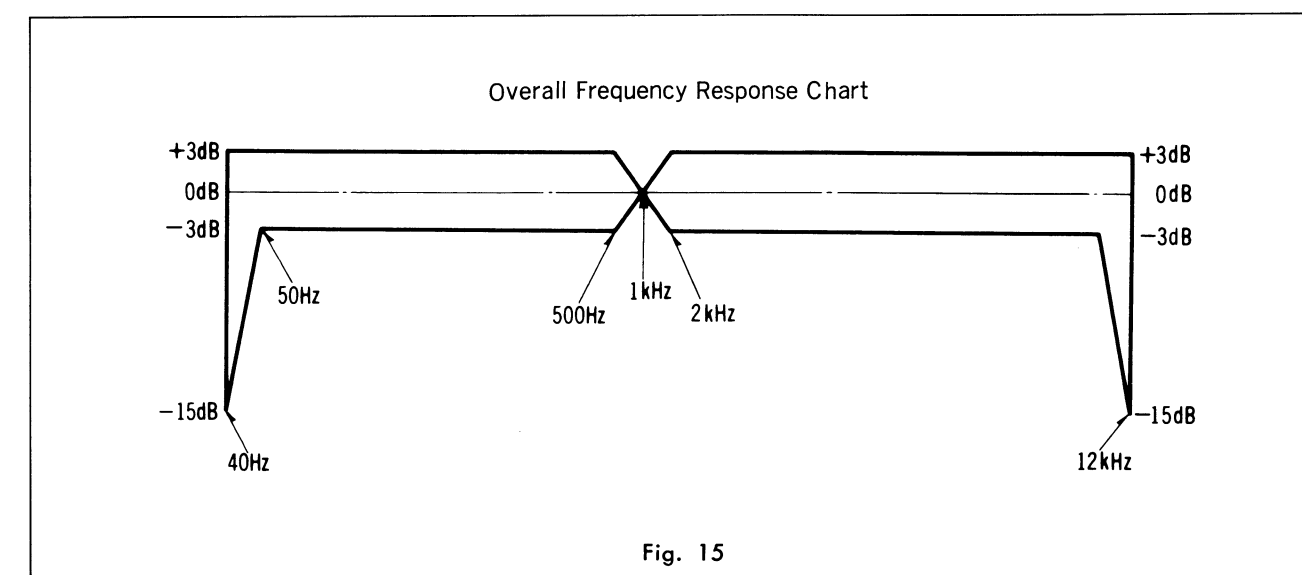
1. Wiring is shown in fig. 14.
2. From the LINE IN jack, supply signals -24 ± 3 dB (60 mV) and record it (1 kHz).
3. Play the tape, read output on the VTVM and make sure that the measured value is -7 dB (0.42 V).
4. When it is not in condition above, adjust VR15 (CH1) or VR16 (CH2).
5. Repeat step 2 and 3 above.



OVERALL FREQUENCY RESPONSE ADJUSTMENT

NOTE: Use the test tape C-RA-30.

1. Wiring is shown in fig. 14.
2. From the LINE IN jack, supply signals 20 dB lower than the level at which the VU meter indicates 0 VU. Varying oscillator frequency and record 40 Hz~12 kHz.
3. Play the tape, read output at each frequency on the VTVM and make sure that the measured value is within the range specified in the frequency response chart (fig. 15).
4. If the value at 10 kHz is outside the range, adjust L5 (for CH1) or L6 (for CH2). When L5 and L6 have to be adjusted largely, readjust playback frequency response in Step 1, placing both of them in the satisfactory condition.
5. If frequency response cannot be made satisfactory by adjusting L5 and L6 only, check each circuit or adjust the head azimuth adjustment.



DOLBY NR CIRCUIT ADJUSTMENT

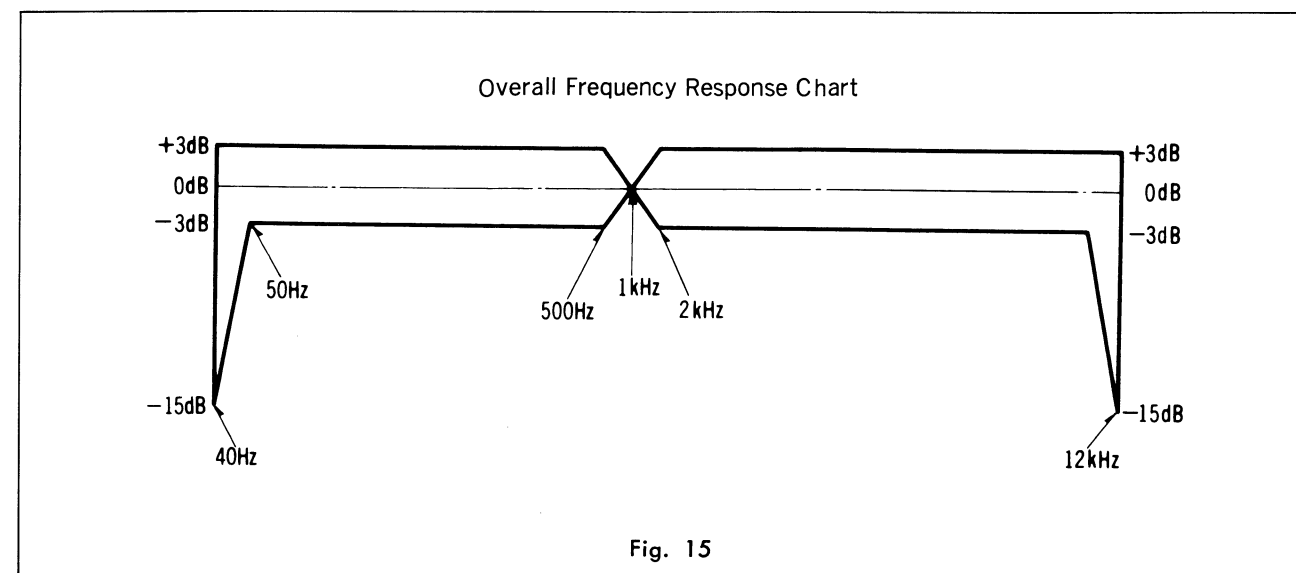
Before adjustment of DOLBY* NR circuit, confirm that each value in item 7 and 8 on page 3 is within standard.

1. Place the set into the recording mode, set the DOLBY NR switch to OUT position and supply input to LINE IN jack to obtain -35 dB at TP3 (CH1), and TP4 (CH2). (frequency 5 kHz)
2. Confirm that the value at IN position is 8 dB greater than at OUT position of DOLBY NR switch.
3. When it is not in condition above, adjust as follows.
4. Set VR9, VR10, VR11 and VR12 to maximum.
5. Set the DOLBY NR switch to IN position.
6. Adjusting VR11 (for CH1) and VR12 (for CH2), make the reading of VTVM at TP3 (for CH1) and TP4 (for CH2) become 10 dB greater than the value in 1 above.
7. Adjusting VR9 (for CH1) and VR10 (for CH2), make the reading of VTVM at TP3 (for CH1) and TP4 (for CH2) become 2 dB smaller than the value obtained through the adjustment in 6 above.

OVERALL FREQUENCY RESPONSE ADJUSTMENT

NOTE: Use the test tape C-RA-30.

1. Wiring is shown in fig. 14.
2. From the LINE IN jack, supply signals 20 dB lower than the level at which the VU meter indicates 0 VU. Varying oscillator frequency and record 40 Hz~12 kHz.
3. Play the tape, read output at each frequency on the VTVM and make sure that the measured value is within the range specified in the frequency response chart (fig. 15).
4. If the value at 10 kHz is outside the range, adjust L5 (for CH1) or L6 (for CH2). When L5 and L6 have to be adjusted largely, readjust playback frequency response in Step 1, placing both of them in the satisfactory condition.
5. If frequency response cannot be made satisfactory by adjusting L5 and L6 only, check each circuit or adjust the head azimuth adjustment.

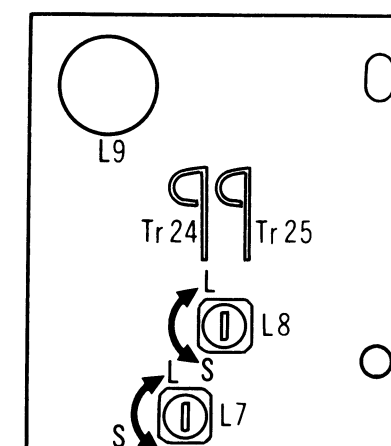
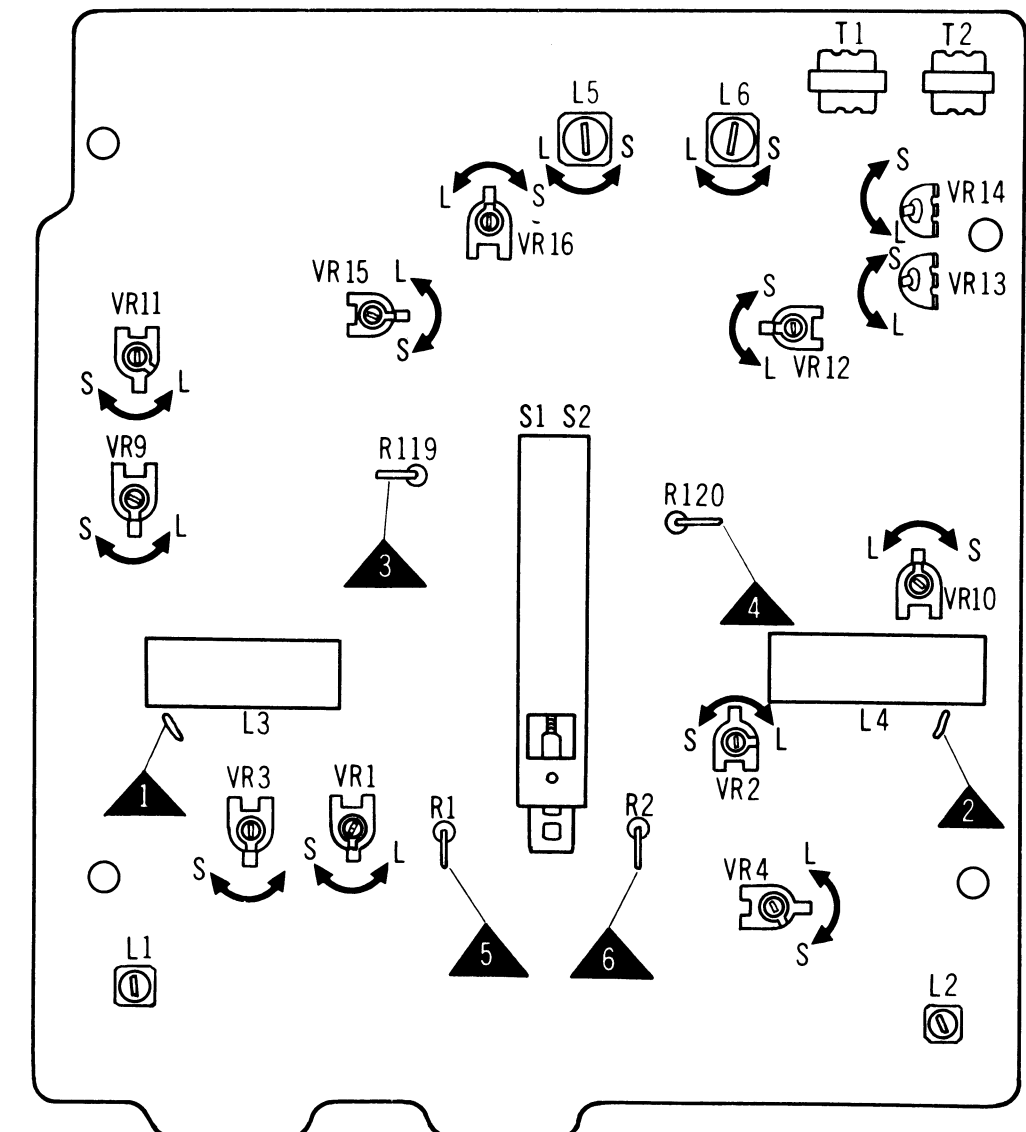


DOLBY NR CIRCUIT ADJUSTMENT

Before adjustment of DOLBY* NR circuit, confirm that each value in item 7 and 8 on page 3 is within standard.

1. Place the set into the recording mode, set the DOLBY NR switch to OUT position and supply input to LINE IN jack to obtain -35 dB at TP3 (CH1), and TP4 (CH2). (frequency 5 kHz)
2. Confirm that the value at IN position is 8 dB greater than at OUT position of DOLBY NR switch.
3. When it is not in condition above, adjust as follows.
4. Set VR9, VR10, VR11 and VR12 to maximum.
5. Set the DOLBY NR switch to IN position.
6. Adjusting VR11 (for CH1) and VR12 (for CH2), make the reading of VTVM at TP3 (for CH1) and TP4 (for CH2) become 10 dB greater than the value in 1 above.
7. Adjusting VR9 (for CH1) and VR10 (for CH2), make the reading of VTVM at TP3 (for CH1) and TP4 (for CH2) become 2 dB smaller than the value obtained through the adjustment in 6 above.

ADJUST PARTS LOCATION



Note:

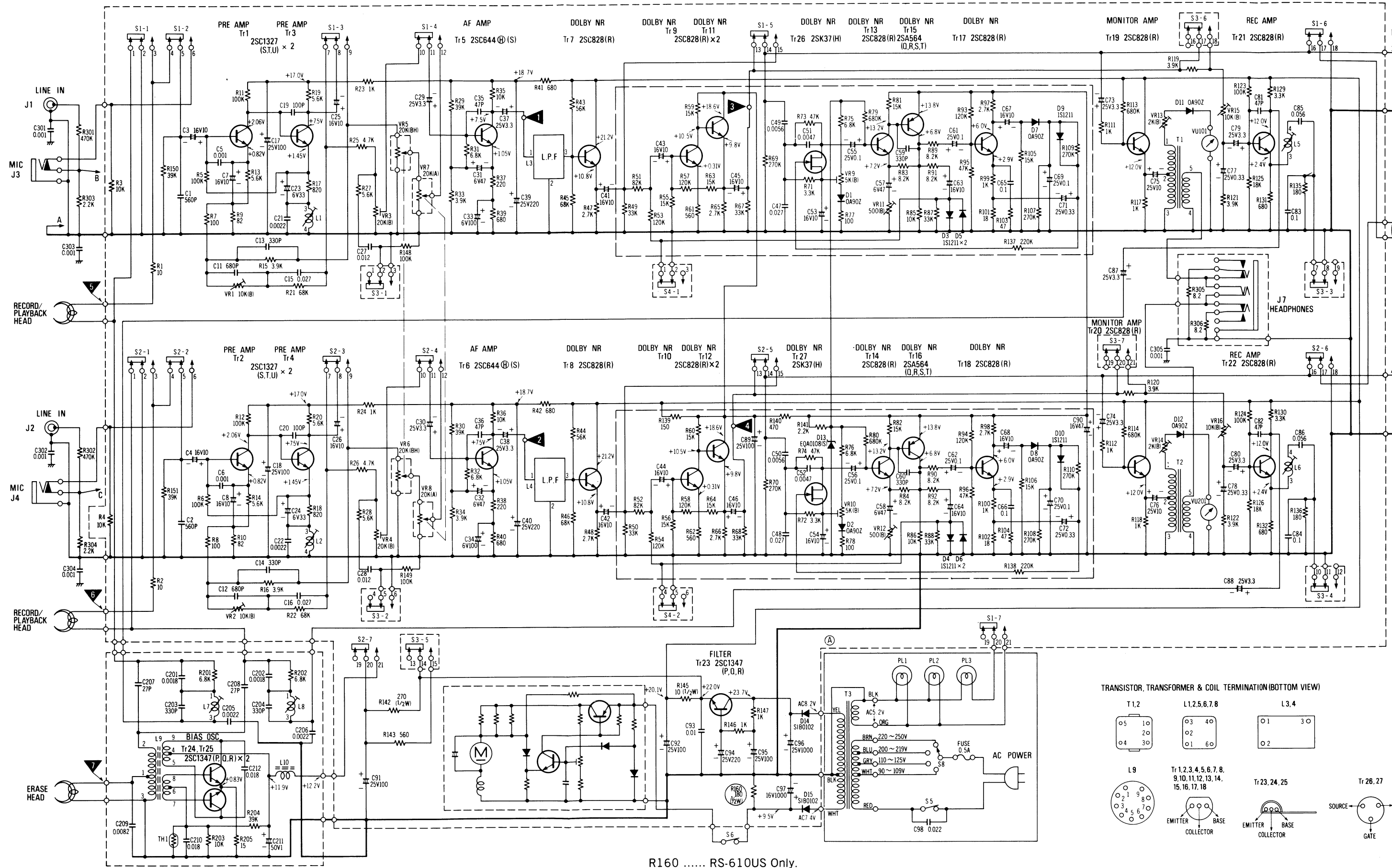
The marks by the arrow of VR and coil show the relation between the direction and adjustment value.

L: Large S: Small

Fig. 16

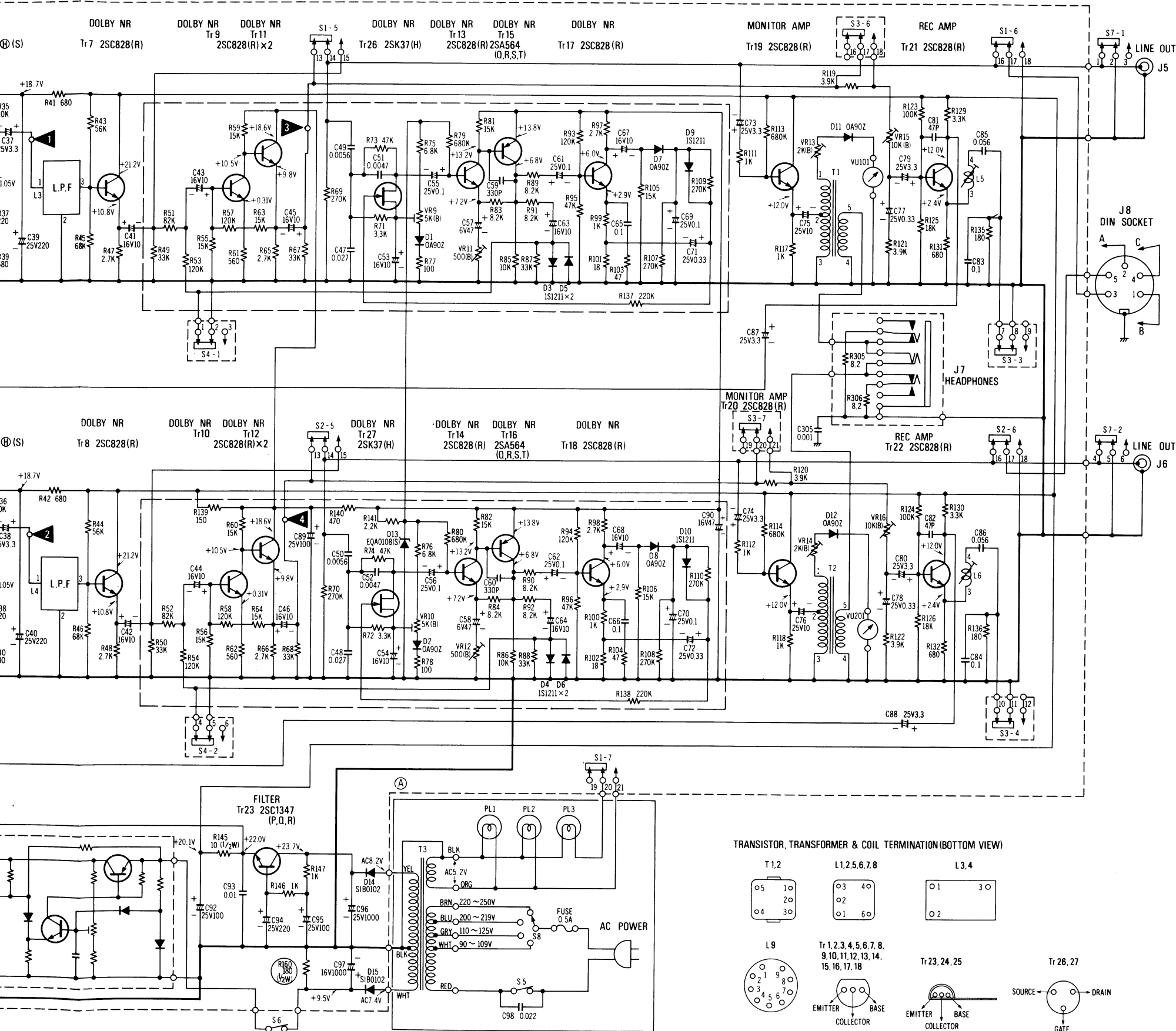
* Dolby is the trade mark of Dolby Laboratories Inc.

SCHEMATIC DIAGRAM MODEL RS-610US & RS-610USD



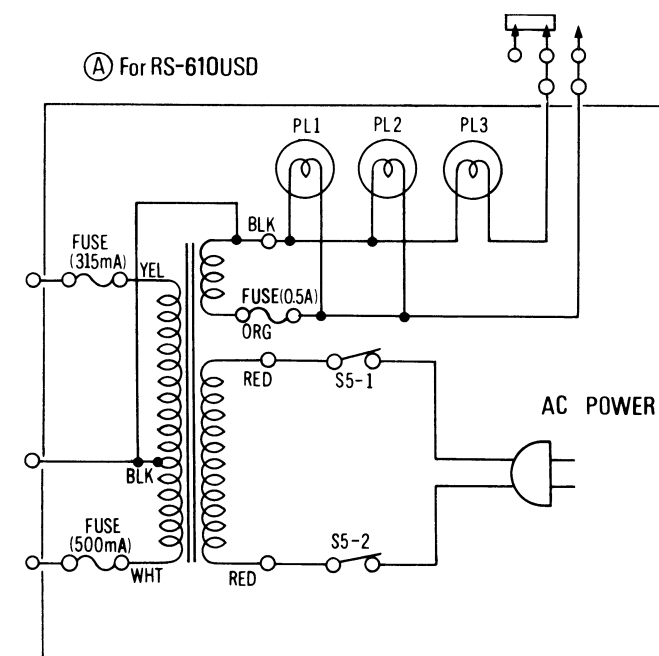
R160 RS-610US Only.

OUS & RS-610USD



R160 RS-610US Only.

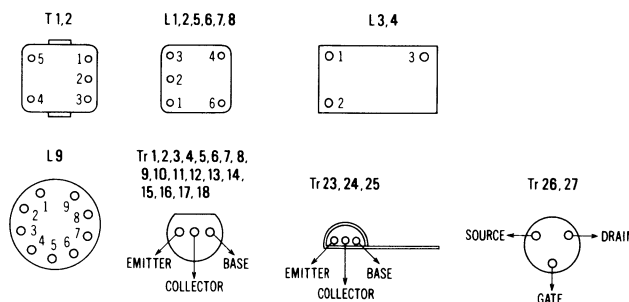
(A) For RS-610USD



NOTE:

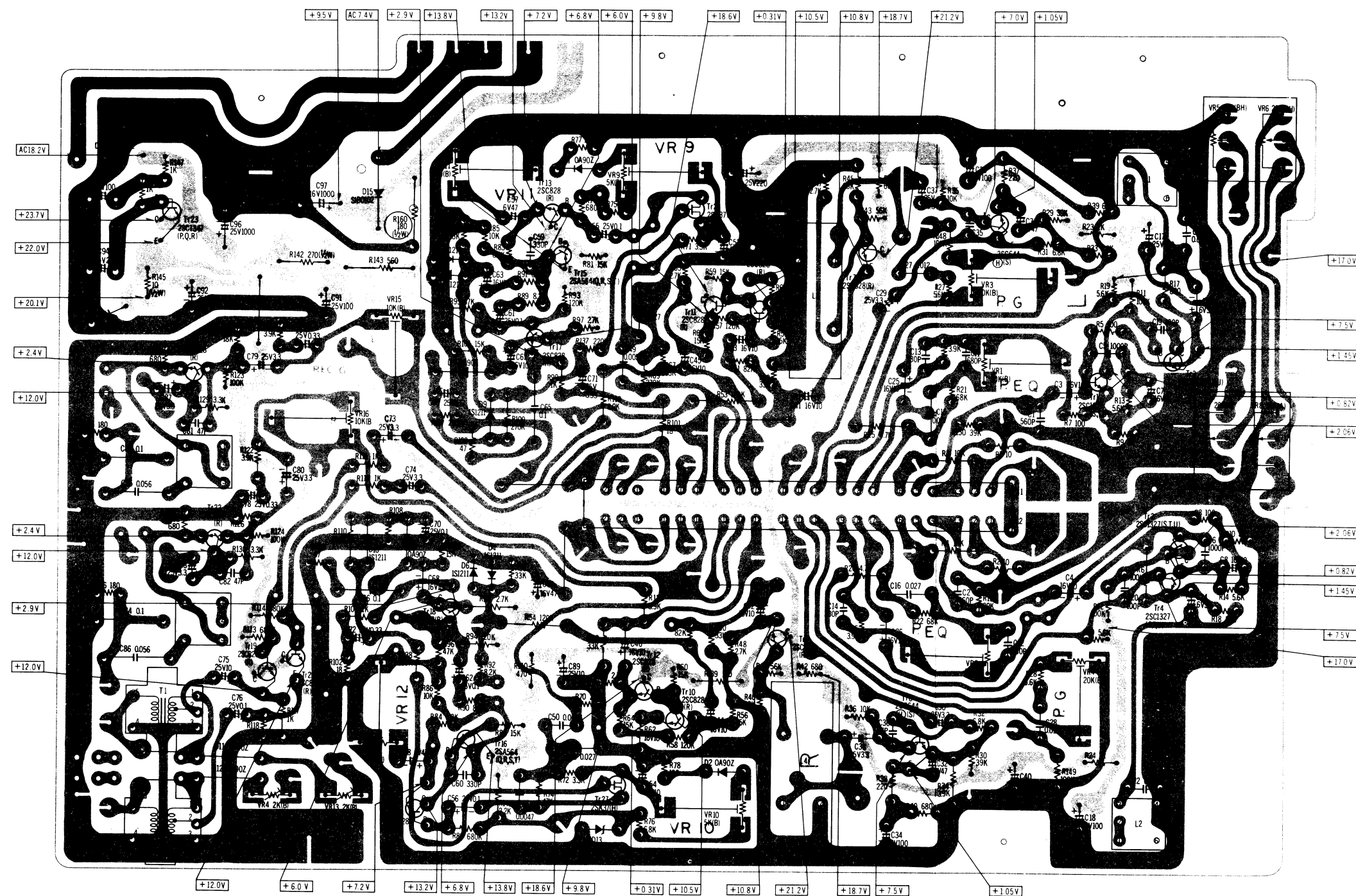
- S1-1~S1-7, S2-1~S2-7 ... Record/playback select switch (shown in playback position).
- S3-1~S3-7 Tape select switch (shown in normal position).
- S4-1, S4-2 Dolby noise reduction circuit IN/OUT switch.
- S5 Power ON/OFF switch.
- S6 Motor ON/OFF switch.
- S7-1, S7-2 Muting switch.
- S8 Voltage select switch.
- VR1, VR2 Playback equalizer adjustment VR.
- VR3, VR4 Playback adjustment VR.
- VR5, VR6 Record balance control.
- VR7, VR8 Record level control.
- VR9~VR12 Noise reduction circuit adjustment VR.
- VR13, VR14 VU meter adjustment VR.
- VR15, VR16 Record level adjustment VR.
- PL1, PL2 Pilot lamp for level meter.
- PL3 Record indicator.
- Resistor values are in ohms (Ω), 1/4 watt unless specified otherwise. K=1,000 Ω .
- Capacitor values are in microfarads (μ F) unless specified otherwise. P=Pico-farads.
- The mark (\blacktriangledown) shows test point. e.g. \blacktriangledown = Test point 1.
- All measurements are under no signal conditions with volume at minimum position. Use VTVM for voltage measurements.
- Abbreviation of color indications for power transformer termination. BLK: Black, BLU: Blue, BRN: Brown, GRY: Gray, ORG: Orange, RED: Red, WHT: White, YEL: Yellow.

TRANSISTOR, TRANSFORMER & COIL TERMINATION (BOTTOM VIEW)



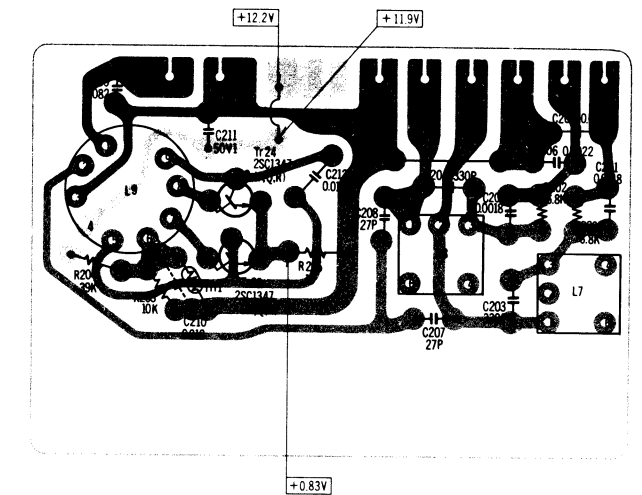
CIRCUIT BOARD

MAIN CIRCUIT BOARD



R160 RS-610US Only.

OSCILLATOR CIRCUIT BOARD

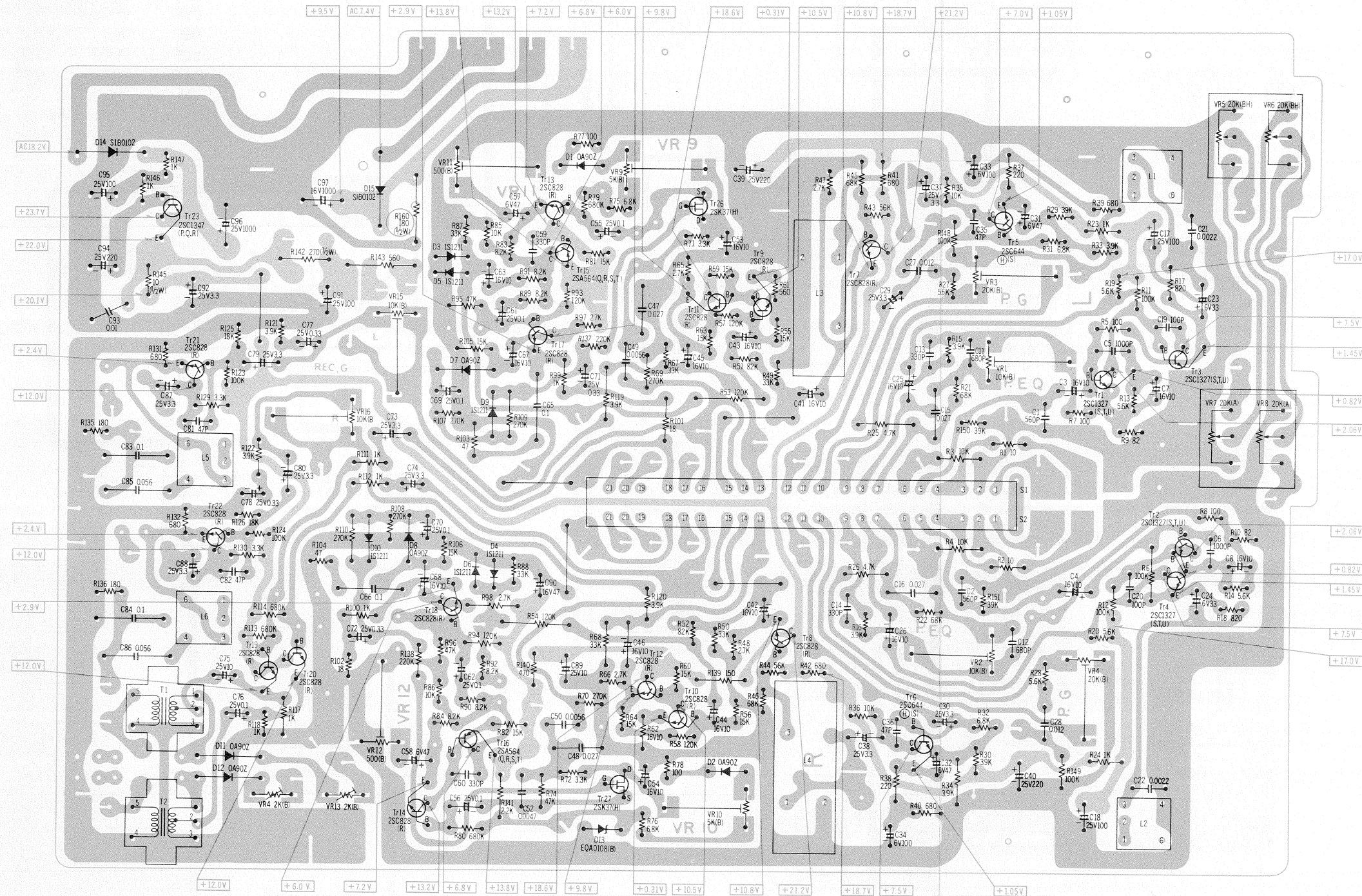


NOTE:

The circuit shown in green on the conductor is + B circuit.
Values indicated in are DC voltages between the chassis and electrical parts.

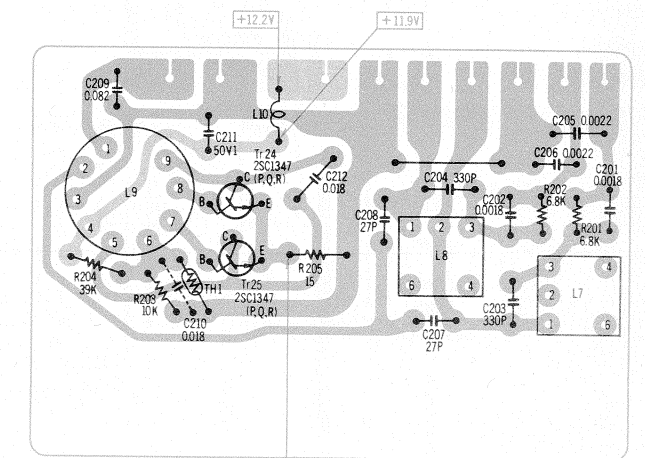
CIRCUIT BOARD

MAIN CIRCUIT BOARD



R160 RS-610US Only.

OSCILLATOR CIRCUIT BOARD

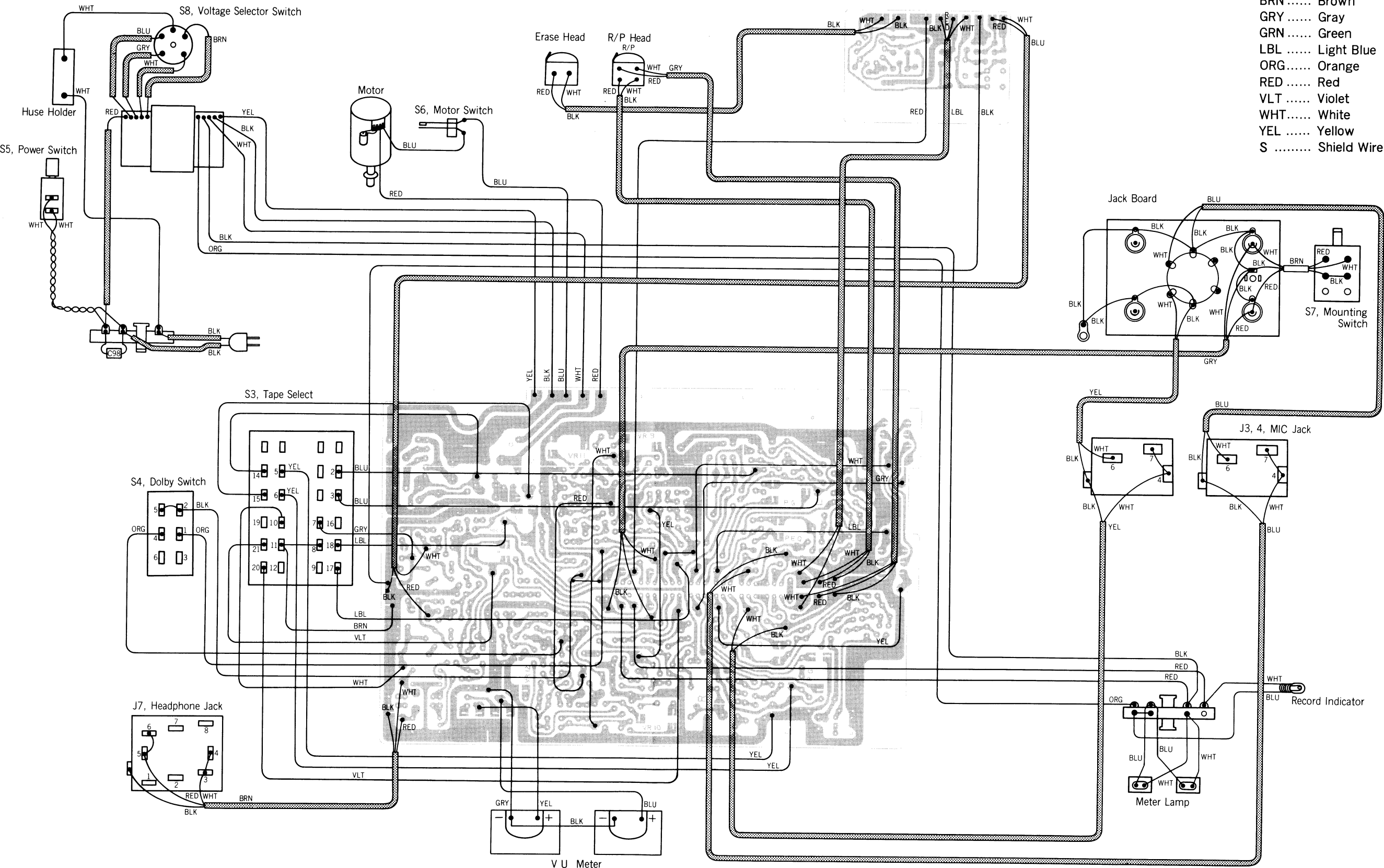


NOTE:

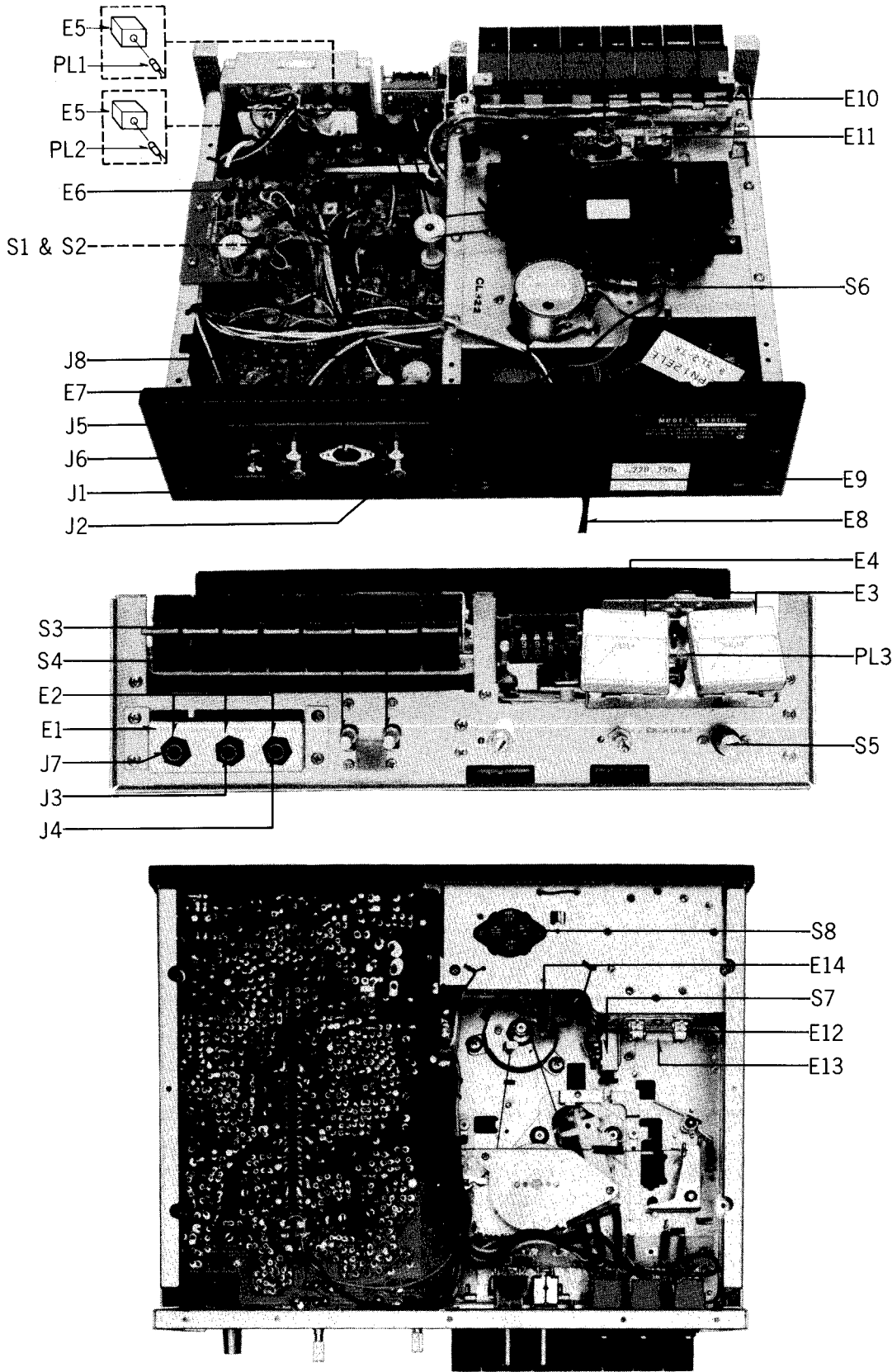
The circuit shown in green on the conductor is +B circuit.
Values indicated in are DC voltages between the chassis and electrical parts.

WIRING CONNECTION DIAGRAM MODEL RS-610US

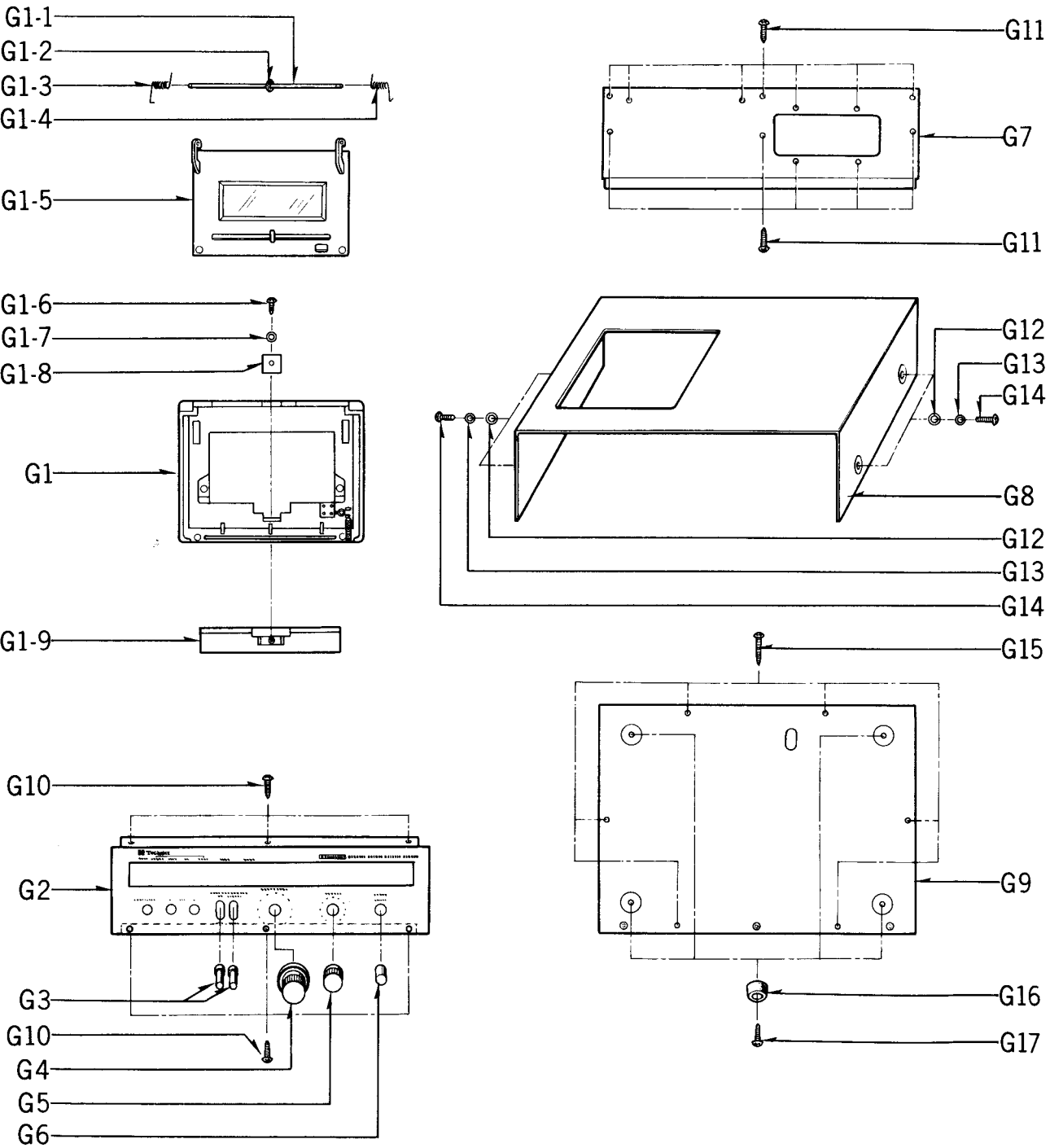
- NOTE:
- BLK Black
 - BLU Blue
 - BRN Brown
 - GRY Gray
 - GRN Green
 - LBL Light Blue
 - ORG Orange
 - RED Red
 - VL T Violet
 - WHT White
 - YEL Yellow
 - S Shield Wire



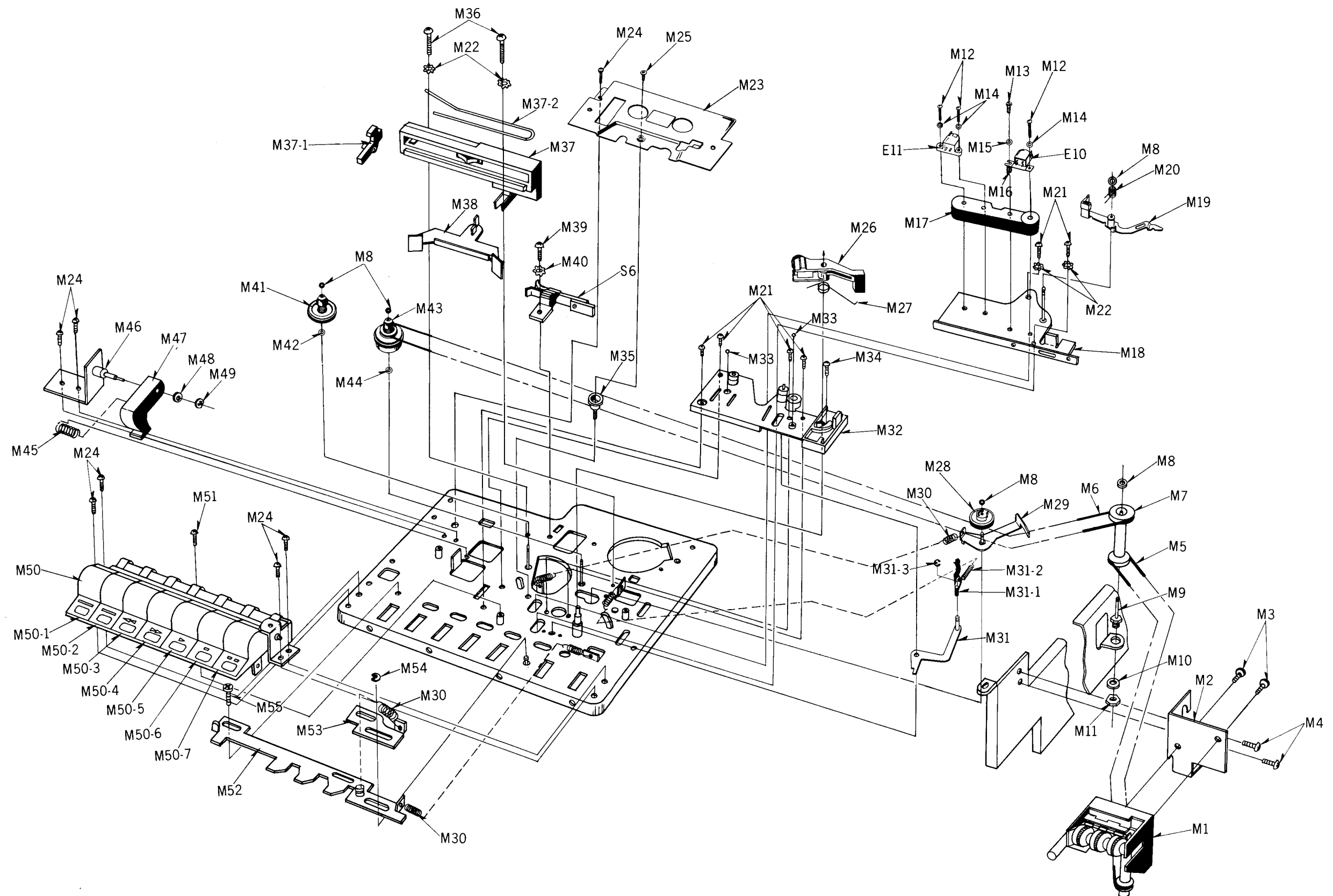
ELECTRICAL PARTS LOCATION



CABINET PARTS



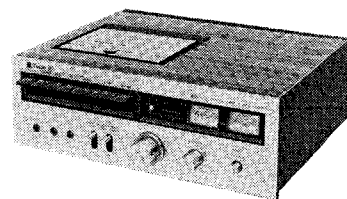
EXPLODED VIEWS



REPLACEMENT PARTS LIST

MODEL RS-610US & RS-610USD

National Panasonic



RS-610US
RS-610USD

NOTE:

1. Be sure to make your orders of Replacement Parts according to this List.
2. "A, B and C" in "Rank" Column indicates the recommended stock of replacement parts. Refer to the recommended stock table on last page.
3. "N" in "Remarks" Column indicates New Parts.
4. "ISO" in "Remarks" Column indicates ISO Screw or Nut.
5. "G" in indicates the serrated parts with 18 notches.

NOTA:

1. Habrá que asegurarse que los pedidos de piezas de repuesto se hagan según esta lista.
2. "A, B y C" marcadas en la columna "Rank" indican el surtido que se recomienda tener de dichas piezas de repuesto.
3. "N" marcado en la columna "Remarks", quiere decir que las piezas son nuevas.
4. "ISO" marcado en la columna "Remarks", quiere decir que es un tornillo o tuerca "ISO".
5. "G" indica las partes dentadas con 18 ranuras.

NOTE:

1. Bien s'assurtez de se conformer à la liste suivante pour les commandes de pièces de rechange.
2. "A, B et C", dans la colonne "Rank", indiquent le stock recommandé de pièces de rechange. Se reporter en dernière page au tableau des stocks/recommandés.
3. "N", dans la colonne "Remarks", indique les pièces nouvelles.
4. "ISO", dans la colonne "Remarks", indique une vis ou un écrou ISO.
5. "G" indique les pièces cannelées à 18 crans.



HINWEIS:

1. Bestellen Sie Ihre Ersatzteile genau nach dieser Liste.
2. "A, B und C" in der "Rank" Spalte zeigt Ihnen den Vorrat der Ersatzteile an.
3. "N" in der "Remarks" Spalte bedeutet "neue Teile".
4. "ISO" in der "Remarks" Spalte bedeutet ISO-Schraube oder Mutter.
5. "G" bezeichnet die gezähnten Teile mit 18 Zähnen.

按:

1. 關於代用零件之訂購，務請依照此表而行之為荷。
2. 「等級」(Rank) 一欄中之 "A, B, C" 標記表示該零件有存貨，值得介紹。
請參照最後一頁的「值得介紹存貨表」。
3. 「備考」(Remarks) 一欄中之 "N" 形符號標記表示該零件為新出品。
4. 「備考」(Remarks) 一欄中之 "ISO" 符號標記表示國際標準化機構 (ISO) 式螺絲或螺母。
5. "G" 形符號標記表示備有18個凹槽的鋸齒狀零件。

NOTE: Ref. No. enclosed in () indicate the parts that are used for RS-610USD.

| Rank | Ref. No. | Description | Part No. | Pcs/ Set | Price (Per Pce.) | | Remarks |
|----------|----------|----------------------------------|----------|-------------|------------------|--|--|
| | | | | | | | |
| | | <u>MECHANICAL PARTS</u> | | | | | |
| A | M1 | Memory Tape Counter | QXCM0002 | 1 | | | N  |
| C | M2 | Counter Angle | QMAM0046 | 1 | | | N |
| C | M3 | Sems Screw $\oplus 3 \times 6$ | XYN3+C6S | 2 | | | COMMON  |
| C | M4 | Screw $\oplus 3 \times 6$ | XTV3+6B | 2 | | | ” |
| A | M5 | Counter Belt-A | QDB0124 | 1 | | | N |
| A | M6 | Counter Belt-B | QDB0207 | 1 | | | N |
| B | M7 | Counter Connection Pulley | QDP1603 | 1 | | | N |
| C | M8 | Nylon Snap Washer | QWQ1124 | 5 | | | COMMON |
| C | M9 | Counter Connection Pulley Shaft | QXSM0001 | 1 | | | N |
| C | M10 | Spring Washer 5ϕ | XWA5B | 1 | | | COMMON |
| C | M11 | Nut 5ϕ | XNG5E | 1 | | | ” |
| C | M12 | Screw $\ominus 2 \times 12$ | XSN2-12 | 3 | | | ” |
| C | M13 | Head Azimuth Adjust Screw | QHQ1199 | 1 | | | N |
| C | M14 | Spring Washer 2ϕ | XWA2B | 3 | | | COMMON |
| C | M15 | Washer 2ϕ | XWE2 | 1 | | | ” |
| B | M16 | Head Adjust Spring | QBC1207 | 1 | | | RQ-432S, RS-263US, 271US |
| B | M17 | Head Spacer | QBJ2087 | 1 | | | N |
| B | M18 | Head Base Plate Unit | QXK1484 | 1 | | | N |
| C | M19 | Detecting Lever Assembly | QXL0482 | 1 | | | RQ-448FJS, RS-260US |
| C | M19-1 | Detecting Piece | QBJ1538 | 1 | | | RQ-309S, 413S, RS-263US |
| C | M20 | Auto Stop Spring | QBN1390 | 1 | | | N |
| C | M21 | Screw $\oplus 2.6 \times 6$ | XSN26+6 | 2 | | | COMMON |
| C | M22 | Lock Washer 2.6ϕ | XWC26B | 4 | | | ” |
| A | M23 | Mechanism Panel Ornament | QMF1708 | 1 | | | N |
| C | M24 | Sems Screw $\oplus 2.6 \times 6$ | XYN26+C6 | 15 | | | COMMON |
| C | M25 | Screw $\oplus 2.6 \times 5$ | XSS26+5Z | 1 | | | ” |
| C | M26 | Pressure Roller Lever Assembly | QXLM010 | 1 | | | N |
| C | M27 | Pressure Roller Spring | QBN1389 | 1 | | | N |
| B | M28 | Idler | QXI0050 | 1 | | | N |
| C | M29 | Idler Lever | QMLM011 | 1 | | | N |
| C | M30 | Idler Spring | QBT1558M | 2 | | | RQ-448FJS, RS-272US |
| C | M31 | Auto Stop Drive Lever Assembly | QXL0621 | 1 | | | RS-260US |
| C | M31-1 | Auto Stop Drive Pawl | QBJ1656 | 1 | | | RQ-448FJS, RS-267S |

NOTE: Ref. No. enclosed in () indicate the parts that are used for RS-610USD.

| Rank | Ref. No. | Description | Part No. | Pcs/ Set | Price (Per Pce.) | | Remarks |
|----------|----------|-----------------------------------|-----------|-------------|------------------|--|-----------------------------------|
| | | | | | | | |
| A | M31-2 | Auto Stop Spring | QBT1489M | 1 | | | RQ-443S, RS-267S |
| C | M31-3 | Stop Ring 2.5φ | XUC25FK | 1 | | | COMMON |
| B | M32 | Upper Base Assembly | QXK1331 | 1 | | | RQ-421DS |
| C | M33 | Steel Ball | QDK1012 | 3 | | | RQ-309S, 432S, RS-260US, 263US |
| C | M34 | Sems Screw $\oplus 2.6 \times 10$ | XYN26+C10 | 3 | | | COMMON |
| C | M35 | Pole | QMP1530 | 1 | | | N |
| C | M36 | Screw $\oplus 2.6 \times 10$ | XSN26+10 | 2 | | | COMMON |
| B | M37 | Cassette Retainer Assembly | QXQK0015 | 1 | | | RS-260US |
| A | M37-1 | Erase Safty Lever | QBJ1975 | 1 | | | RQ-309S |
| C | M37-2 | Brake Spring | QBS1057 | 1 | | | RQ-421DS |
| B | M38 | Brake | QBJ1941 | 1 | | | RQ-421DS, RS-260US |
| C | M39 | Screw $\oplus 2 \times 5$ | XSN2+5 | 1 | | | COMMON |
| C | M40 | Lock Washer 2φ | XWC2B | 1 | | | ” |
| A | M41 | Supply Reel Table Assembly | QXP0320 | 1 | | | RQ-309S, 436S |
| C | M42 | Reel Table Washer | QBFM0005 | 1 | | | N |
| A | M43 | Takeup Reel Table Assembly | QXP0395 | 1 | | | N |
| C | M44 | Nylon Washer | QBJ3220 | 1 | | | RQ-309S, 413S, RS-260US, 263US |
| C | M45 | Cassette Up Spring | QBNM0006 | 1 | | | N |
| C | M46 | Cassette Up Shaft | QXA0307 | 1 | | | N |
| C | M47 | Cassette Up | QKJ0055 | 1 | | | N |
| C | M48 | Fiber Washer 3.2×6×0.25 | QBK7122 | 1 | | | N |
| C | M49 | Stop Ring 2φ | XUC2FK | 3 | | | COMMON |
| B | M50 | Push Button Assembly | QXB0247 | 1 | | | N |
| B | M50-1 | Eject Button | QGOM0014 | 1 | | | N |
| B | M50-2 | Record Button | QGOM0013 | 1 | | | N |
| B | M50-3 | Rewind Button | QGOM0012 | 1 | | | N |
| B | M50-4 | Fast Forward Button | QGOM0011 | 1 | | | N |
| B | M50-5 | Playback Button | QGOM0009 | 1 | | | N |
| B | M50-6 | Stop Button | QGOM0008 | 1 | | | N |
| B | M50-7 | Pause Button | QGOM0010 | 1 | | | N |
| C | M51 | Sems Screw $\oplus 2.6 \times 3$ | XSN26+3 | 3 | | | COMMON |
| C | M52 | Operation Rod | QMR1412 | 1 | | | N |
| C | M53 | Operation Lever-C | QMR1411 | 1 | | | N |
| C | M54 | Stop Ring 3φ | XUC3FK | 2 | | | COMMON |
| C | M55 | Screw | QHQ1168 | 4 | | | RQ-443DS, RS-260US |

NOTE: Ref. No. enclosed in () indicate the parts that are used for RS-610USD.



**RS-610US
RS-610USD**

| Rank | Ref. No. | Description | Part No. | Pcs/ Set | Price (Per Pce.) | | Remarks |
|----------|----------|--|----------|-------------|------------------|--|-----------------------------------|
| | | | | | | | |
| A | M56 | Flywheel Belt | QDB0141 | 1 | | | COMMON |
| C | M57 | Flywheel Assembly | QXF0063 | 1 | | | RQ-421DS, RS-267S |
| C | M58 | Flywheel Retainer Unit | QXH0095 | 1 | | | RQ-448FJS, RS-267S |
| C | M59 | Fast Forward Lever Spring | QBT1485M | 1 | | | ” |
| B | M60 | Fast Forward Frame Assembly | QXG1014A | 1 | | | N |
| B | M60-1 | Fast Forward Frame Spring | QBN1196 | 1 | | | RQ-413S, RS-267S |
| C | M61 | Rubber Cushion | QBG1055A | 3 | | | RQ-237JS, RS-260US |
| C | M62 | Screw | QMS1833 | 3 | | | COMMON |
| A | M63 | Motor Pulley | QDP1378B | 1 | | | N |
| C | M64 | Screw $\oplus 2 \times 3$ | XSN2 + 3 | 1 | | | COMMON |
| A | M65 | Motor | MHI5R9C | 1 | | | N |
| C | M66 | Motor Angle | QMA1952 | 1 | | | RS-260US |
| C | M67 | Lever Guide | QGG0050 | 1 | | | N |
| C | M68 | Lock Rod Assembly | QXH0194 | 1 | | | N |
| C | M69 | Stop Lever Spring | QBT1580M | 4 | | | RQ-448FJS |
| C | M70 | Fast Forward/Pause Lever Spring | QBT1484M | 2 | | | RQ-432S, 443S |
| C | M71 | Playback Lever Spring | QBT1536M | 1 | | | RQ-421DS, 448FJS |
| C | M72 | Record Lever Spring | QBT1486M | 2 | | | RQ-448FJS, RS-267S |
| C | M73 | Eject Lever Spring-C | QBT1604M | 1 | | | RQ-412DS, RS-260US |
| C | M74 | Eject Lever-A | QML2712 | 1 | | | N |
| C | M75 | Fiber Washer $3.2 \times 6 \times 0.5$ | QBK7121 | 2 | | | COMMON |
| B | M76 | Lock Plate | QML2379 | 1 | | | RS-260US, 271US |
| C | M77 | Lock Plate Spring | QBN1271 | 1 | | | ” |
| C | M78 | Pause Lever | QXL0826 | 1 | | | N |
| C | M79 | Stop Lever | QML2715 | 1 | | | N |
| C | M80 | Playback Lever | QXRM0002 | 1 | | | N |
| C | M81 | Fiber Washer $6.2 \times 11 \times 1$ | QBK7130 | 1 | | | RQ-309S, 413S, RS-260US, 263US |
| C | M82 | Stop Ring 5ϕ | XUC5FK | 2 | | | COMMON |
| C | M83 | Fast Forward Lever | QXLM0011 | 1 | | | N |
| C | M84 | Fast Forward Rod | QMR1307 | 1 | | | RS-260US |
| C | M85 | Rewind Lever | QML1953 | 1 | | | RS-267US |
| C | M86 | Record Lever | QXL0828 | 1 | | | N |
| C | M87 | Eject Lever | QXL0827 | 1 | | | N |
| C | M88 | Record Lever-A | QML2717 | 1 | | | N |
| C | M89 | Fiber Washer $4.2 \times 6 \times 0.5$ | QBK7075 | 1 | | | RS-735US |

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| Rank | Ref. No. | Description | Part No. | Pcs/ Set | Price (Per Pce.) | | Remarks |
|----------|--|-----------------------------------|------------|-------------|------------------|--|---------|
| | | | | | | | |
| C | M90 | Record/Playback Connection Spring | QBTM0003 | 1 | | | (N) |
| C | M91 | Record/Playback Lever-B | QMLM0029 | 1 | | | (N) |
| C | M92 | Hook Plate Holder Unit | QMAM0043 | 1 | | | (N) |
| C | M93 | Tapping Screw $\oplus 3 \times 8$ | XTV3+8B | 2 | | | COMMON |
| C | M94 | Stop Ring 3ϕ | XUC3FK | 1 | | | " |
| C | M95 | Lock Rod Retainer | QMA2373 | 1 | | | (N) |
| | | <u>RESISTORS</u> | | | | | |
| B | R1, 2 | Carbon Resistor 10 Ω 1/4 W | ERD14VJ100 | 2 | | | |
| B | R3,4,35,36,85, 86,203 | " 10 K Ω 1/4 W | ERD14VJ103 | 7 | | | |
| B | R5, 6, 11, 12, 123, 124, 148, 149 | " 100 K Ω 1/4 W | ERD14VJ104 | 8 | | | |
| B | R7, 8, 77, 88 | " 100 Ω 1/4 W | ERD14VJ101 | 4 | | | |
| B | R9, 10 | " 82 Ω 1/4 W | ERD14VJ820 | 2 | | | |
| B | R13,14,19,20, 27,28 | " 5.6 K Ω 1/4 W | ERD14VJ562 | 6 | | | |
| B | R15, 16, 33, 34, 119, 120, 121, 122 | " 3.9 K Ω 1/4 W | ERD14VJ392 | 8 | | | |
| B | R17, 18 | " 820 Ω 1/4 W | ERD14VJ821 | 2 | | | |
| B | R21,22,45,46 | " 68 K Ω 1/4 W | ERD14VJ683 | 4 | | | |
| B | R23, 24, 99, 100, 111, 112, 117, 118, 146, 147 | " 1 K Ω 1/4 W | ERD14VJ102 | 10 | | | |
| B | R25, 26 | " 4.7 K Ω 1/4 W | ERD14VJ472 | 2 | | | |
| B | R29, 30, 150, 151, 204 | " 39 K Ω 1/4 W | ERD14VJ393 | 5 | | | |
| B | R31,32,75,76, 201,202 | " 6.8 K Ω 1/4 W | ERD14VJ682 | 6 | | | |
| B | R37, 38 | " 220 Ω 1/4 W | ERD14VJ221 | 2 | | | |
| B | R39,40,41,42, 131,132 | " 680 Ω 1/4 W | ERD14VJ681 | 6 | | | |
| B | R43, 44 | " 56 K Ω 1/4 W | ERD14VJ563 | 2 | | | |
| B | R47,48,65,66, 97,98 | " 2.7 K Ω 1/4 W | ERD14VJ272 | 6 | | | |
| B | R49,50,67,68, 87,88 | " 33 K Ω 1/4 W | ERD14VJ333 | 6 | | | |
| B | R51, 52 | " 82 K Ω 1/4 W | ERD14VJ823 | 2 | | | |
| B | R53,54,57,58, 93,94 | " 120 K Ω 1/4 W | ERD14VJ124 | 6 | | | |
| B | R55, 56, 59, 60, 63, 64, 81, 82, 105, 106 | " 15 K Ω 1/4 W | ERD14VJ153 | 10 | | | |
| B | R61, 62, 143 | " 560 Ω 1/4 W | ERD14VJ561 | 3 | | | |
| B | R69,70,107, 108,109,110 | " 270 K Ω 1/4 W | ERD14VJ274 | 6 | | | |

NOTE: Ref. No. enclosed in () indicate the parts that are used for RS-610USD.



| Rank | Ref. No. | Description | Part No. | Pcs/ Set | Price (Per Pce.) | | Remarks |
|----------|-------------------------------------|--|--------------|-------------|------------------|--|--|
| | | | | | | | |
| B | R71, 72, 129, 130 | Carbon Resistor 3.3 K Ω 1/4 W | ERD14VJ332 | 4 | | | |
| B | R73, 74, 95, 96 | " 47 K Ω 1/4 W | ERD14VJ473 | 4 | | | |
| B | R79, 80, 113, 114 | " 680 K Ω 1/4 W | ERD14VJ684 | 4 | | | |
| B | R83, 84, 89, 90, 91, 92 | " 8.2 K Ω 1/4 W | ERD14VJ822 | 6 | | | |
| B | R101, 102 | " 18 Ω 1/4 W | ERD14VJ180 | 2 | | | |
| B | R103, 104 | " 47 Ω 1/4 W | ERD14VJ470 | 2 | | | |
| B | R125, 126 | " 18 K Ω 1/4 W | ERD14VJ183 | 2 | | | |
| B | R135, 136 | " 180 Ω 1/4 W | ERD14VJ181 | 2 | | | |
| B | R137, 138 | " 220 K Ω 1/4 W | ERD14VJ224 | 2 | | | |
| B | R139 | " 150 Ω 1/4 W | ERD14VJ151 | 1 | | | |
| B | R140 | " 470 Ω 1/4 W | ERD14VJ471 | 1 | | | |
| B | R141, 303, 304 | " 2.2 K Ω 1/4 W | ERD14VJ222 | 3 | | | |
| B | R142 | Solid Resistor 270 Ω 1/2 W | ERC12GK271 | 1 | | | |
| B | R145 | " 10 Ω 1/2 W | ERC12GK100 | 1 | | | |
| B | R160 | " 180 Ω 1/2 W | ERC12GK181 | 1 | | | (RS-610US only) |
| B | R205 | Carbon Resistor 15 Ω 1/4 W | ERD14VJ150 | 1 | | | |
| B | R301, 302 | " 470 K Ω 1/4 W | ERD14VJ474 | 2 | | | |
| B | R305, 306 | " 8.2 Ω 1/4 W | ERD14VJ8R2 | 2 | | | |
| | | <u>VARIABLE RESISTORS</u> | | | | | |
| A | VR1, 2 | Semi-fixed Variable Resistor 10 K Ω (B) | QVLO1AA00B14 | 2 | | | N |
| A | VR3, 4 | " 20 K Ω (B) | EVLS3AA00B24 | 2 | | | RS-209US, 271US |
| A | VR5, 6 | Variable Resistor 20 K Ω (BH) | EVK49AK30703 | 1 | | | N  |
| A | VR7, 8 | " 20 K Ω (A) | EVKR1AK25A24 | 1 | | | N  |
| A | VR9, 10 | Semi-fixed Variable Resistor 5 K Ω (B) | EVLS3AA00B53 | 2 | | | N |
| A | VR11, 12 | " 500 Ω (B) | QVL00AA00B52 | 2 | | | N |
| A | VR13, 14 | " 2 K Ω (B) | EVLT0AA00B23 | 2 | | | RS-802US, 845US |
| A | VR15, 16 | " 10 K Ω (B) | QVL00AA00B24 | 2 | | | N |
| | | <u>CAPACITORS</u> | | | | | |
| C | C1, 2 | Styrol Capacitor 560 pF | ECQS1561KZ | 2 | | | |
| B | C3, 4, 7, 8, 25, 54, 63, 64, 67, 68 | 26, 41, 42, 43, 44, 45, 46, 53, 68 | | | | | |
| | | Electrolytic Capacitor 10 μ F | ECEA16V10L | 18 | | | |
| C | C5, 6, 301, 302, 303, 304, 305 | | | | | | |
| | | Ceramic Capacitor 0.001 μ F | ECKD1H102M | 7 | | | |

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| Rank | Ref. No. | Description | Part No. | Pcs/ Set | Price (Per Pce.) | | Remarks |
|----------|---|------------------------|----------------|--------------|------------------|--|-----------------|
| | | | | | | | |
| C | C11, 12 | Ceramic Capacitor | 680 pF | ECKD1H681M | 2 | | |
| C | C13, 14, 59, 60 | " | 330 pF | ECKD1H331M | 4 | | |
| C | C15, 16 | Mylar Capacitor | 0.027 μ F | ECQM05273KZ | 2 | | |
| B | C17, 18, 89, 91, 92, 95 | Electrolytic Capacitor | 100 μ F | ECEA25V100L | 6 | | |
| C | C19, 20 | Ceramic Capacitor | 100 pF | ECCD1H101K | 2 | | |
| C | C21, 22, 205, 206 | " | 0.0022 μ F | ECKD1H222K | 4 | | |
| B | C23, 24 | Electrolytic Capacitor | 33 μ F | ECEA6V33L | 2 | | |
| C | C27, 28 | Mylar Capacitor | 0.012 μ F | ECQM05123KZ | 2 | | |
| B | C29, 30, 37, 38, 73, 74, 79, 80, 87, 88 | | | | | | |
| | | Electrolytic Capacitor | 3.3 μ F | ECEA25V3R3L | 10 | | |
| B | C31, 32, 57, 58 | " | 47 μ F | ECEA6V47L | 4 | | |
| B | C33, 34 | " | 100 μ F | ECEA6V100L | 2 | | |
| C | C35, 36, 81, 82 | Ceramic Capacitor | 47 pF | ECCD1H470K | 4 | | |
| B | C39, 40, 94 | Electrolytic Capacitor | 220 μ F | ECEA25V220L | 3 | | |
| C | C47, 48 | Mylar Capacitor | 0.027 μ F | ECQM05273JZ | 2 | | |
| C | C49, 50 | " | 0.0056 μ F | ECQM05562JZ | 2 | | |
| C | C51, 52 | " | 0.0047 μ F | ECQM05472JZ | 2 | | |
| C | C55, 56, 61, 62, 69, 70 | Aluminum Capacitor | 0.1 μ F | ECAG25ER1 | 6 | | |
| C | C65, 66, 83, 84 | Mylar Capacitor | 0.1 μ F | ECQM05104KZ | 4 | | |
| C | C71, 72, 77, 78 | Aluminum Capacitor | 0.33 μ F | ECAG25ER33 | 4 | | |
| B | C75, 76 | Electrolytic Capacitor | 10 μ F | ECEA25V10L | 2 | | |
| C | C85, 86 | Mylar Capacitor | 0.056 μ F | ECQM05563KZ | 2 | | |
| B | C90 | Electrolytic Capacitor | 47 μ F | ECEA16V47L | 1 | | |
| C | C93 | Ceramic Capacitor | 0.01 μ F | ECKD1H103P | 1 | | |
| B | C96 | Electrolytic Capacitor | 1000 μ F | ECEA25V1000L | 1 | | |
| B | C97 | " | 1000 μ F | ECEA16V1000L | 1 | | |
| C | C98 | Mylar Capacitor | 0.022 μ F | ECQM05223KZ | 1 | | (RS-610US only) |
| C | C201, 202 | Ceramic Capacitor | 0.0018 μ F | ECKD1H182K | 2 | | |
| C | C203, 204 | Styrol Capacitor | 330 pF | ECQS1331KZ | 2 | | |
| C | C207, 208 | Ceramic Capacitor | 27 pF | ECCD1H270K | 2 | | |
| C | C209 | Styrol Capacitor | 0.0082 μ F | ECQS1822KZ | 1 | | |
| C | C210, 212 | Mylar Capacitor | 0.018 μ F | ECQM05183KZ | 2 | | |
| B | C211 | Electrolytic Capacitor | 1 μ F | ECEA50V1L | 1 | | |
| | | | | | | | |
| | | | | | | | |

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RS-610US
RS-610USD




| Rank | Ref. No. | Description | Part No. | Pcs/ Set | Price (Per Pce.) | | Remarks |
|----------|---|--|-----------------|-------------|------------------|--|---|
| | | | | | | | |
| | | <u>TRANSISTORS</u> | | | | | |
| A | Tr1, 2, 3, 4 | Transistor | 2SC1327(S,T,U) | 4 | | | RS-276US, 279US |
| A | Tr5, 6 | " | 2SC644(S) | 2 | | | RS-715US |
| A | Tr7, 8, 9, 10, 11, 12, 13, 14, 17, 18, 19, 20, 21, 22 | " | 2SC828(R) | 14 | | | COMMON |
| A | Tr15, 16 | " | 2SA564(Q,R,S,T) | 2 | | | RS-276US, 279US |
| A | Tr23, 24, 25 | " | 2SC1347(P,Q,R) | 3 | | | (N) |
| A | Tr26, 27 | " | 2SK37(H) | 2 | | | RS-276US, 279US |
| | | <u>SEMI CONDUCTORS</u> | | | | | |
| A | D1, 2, 7, 8, 11, 12 | Diode | OA90Z | 6 | | | COMMON |
| A | D3, 4, 5, 6, 9, 10 | " | 1S1211 | 6 | | | RQ-448FJS |
| A | D13 | " | EQA0108(S) | 1 | | | (N) |
| A | D14, 15 | Rectifier | SIB0102 | 2 | | | (N) |
| | | <u>THERMISTOR</u> | | | | | |
| B | TH1 | Thermistor | TD5C310 | 1 | | | (N) |
| | | <u>TRANSFORMERS</u> | | | | | |
| A | T1, 2 | Headphone Transformer | QLT2D5H | 2 | | | (N) |
| A | T3 | Power Transformer | QLPN12ELEW | 1 | | | (N) |
| A | (T3) | " | QLPD7ELE | 1 | | | (N) |
| | | <u>COILS</u> | | | | | |
| B | L1, 2, 5, 6, 7, 8 | Coil | QLQX1032W | 6 | | | (N) |
| B | L3, 4 | Filter Coil | QLH2021 | 2 | | | RS-271US |
| B | L9 | Oscillator Coil | QLB0153 | 1 | | | RS-276US, 279US |
| B | L10 | Choke Coil | ELQ4C1 | 1 | | | RQ-435S, RS-262US |
| | | <u>SWITCHES</u> | | | | | |
| B | S1, 2 | Slide Switch (Record/Playback Selector) | QSS1110 | 1 | | | RS-253S |
| B | S3 | Lever Switch (Tape Selector) | QST0052S | 1 | | | (N)  |
| B | S4 | Lever Switch (Dolby IN/OUT Selector) | QST0021S | 1 | | | RS-262US, 1030US  |
| B | S5 | Push Switch (Power) | ESB1134S23 | 1 | | | (N) |

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| Rank | Ref. No. | Description | Part No. | Pcs/ Set | Price (Per Pce.) | | Remarks |
|----------|----------------|--|------------|-------------|------------------|--|-----------------------------------|
| | | | | | | | |
| B | (S5) | Push Switch (Power) | ESB7016 | (1) | | | N |
| B | S6 | Leaf Switch (Motor ON/OFF) | QSB0169B | 1 | | | RQ-309S, 413S, RS-260US, 263US |
| B | S7 | Slide Switch (Muting) | QSS2204T | 1 | | | N |
| B | S8 | Rotary Switch (AC Voltage Select) | QSR0005B | 1 | | | RQ-413S, 443S |
| | | <u>JACKS</u> | | | | | |
| C | J1, 2, 5, 6, 8 | LINE IN/OUT, DIN Socket | — | (5) | | | |
| C | J3, 4 | Mic Jack | QJA0241A | 2 | | | N |
| C | J7 | Headphone Jack | QJA0242 | 1 | | | N |
| | | <u>PILOT LAMPS</u> | | | | | |
| A | PL1, 2 | Pilot Lamp | XAMQ16P100 | 2 | | | N |
| A | PL3 | Pilot Lamp (Record Indicator) | XAMQ22P100 | 1 | | | N |
| | | <u>ELECTRICAL PARTS</u> | | | | | |
| C | E1 | Jack Board Angle | QMAM0041 | 1 | | | N |
| C | E2 | Jack Nut | QNQ1051 | 3 | | | N |
| A | E3 | VU Meter | QSL1050LN | 2 | | | N |
| C | E4 | VU Meter Holder | QMAM0042A | 1 | | | N |
| C | E5 | Lamp Cover | QGLM0004 | 2 | | | N |
| C | E6 | 4P Lug Terminal | QJT4009 | 1 | | | RS-263US |
| C | E7 | Jack Board Assembly with J1, 2, 5, 6, 8 | QGJM0010 | 1 | | | N |
| C | (E7) | " | QGJM0011 | 1 | | | N |
| B | E8 | AC Power Cord | QFC1022 | 1 | | | COMMON |
| B | (E8) | " | QFC1051 | 1 | | | " |
| C | E9 | Cord Bushing | QTD1126A | 1 | | | RQ-434S, RS-776S |
| C | (E9) | " | QBJ1425 | 1 | | | RS-271US |
| A | E10 | Record/Playback Head | WY445AZ | 1 | | | " |
| A | E11 | Erase Head | QWY2118 | 1 | | | RQ-448FJS, RS-451S |
| A | E12 | Fuse Holder | QTF1032 | 1 | | | RS-275US, 845US |
| A | (E12) | " | QTF1040 | 1 | | | N |
| A | E13 | Fuse (0.5 A) | XBA1E05NR1 | 1 | | | RS-275US, 451S |
| A | (E13) | Fuse (315 mA) | XBAQ0006 | 1 | | | RS-260US, 271US |
| C | E14 | 3P Lug Terminal | QJT3003 | 1 | | | |
| C | (E14) | 6P Terminal Plate | QJT6009 | 1 | | | RS-263US |


RS-610US
RS-610USD

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| Rank | Ref. No. | Description | Part No. | Pcs/ Set | Price (Per Pce.) | | Remarks |
|----------|----------|-----------------------------|----------------------|-------------|------------------|--|--|
| | | | | | | | |
| A | (E15) | Fuse (0.5 A) | XBAQ0003 | 2 | | | RS-275US, 806US |
| | | <u>CABINET PARTS</u> | | | | | |
| A | G1 | Cassette Case Assembly | QYMM0013 | 1 | | | N |
| C | G1-1 | Cassette Lid Shaft | QNMN0002 | 1 | | | N |
| C | G1-2 | Stop Ring 3φ | XUC3FK | 1 | | | COMMON |
| B | G1-3 | Cassette Lid Spring (Right) | QBNM0008 | 1 | | | N |
| B | G1-4 | Cassette Lid Spring (Left) | QBNM0009 | 1 | | | N |
| B | G1-5 | Cassette Lid Assembly | QYFM0020 | 1 | | | N |
| C | G1-6 | Screw ⊕2.6×6 | XYN26+C6 | 1 | | | COMMON |
| C | G1-7 | Washer 2.6φ | XWG26A8 | 1 | | | ” |
| B | G1-8 | Head Cover Lock Spring | QBPM0007 | 1 | | | N |
| A | G1-9 | Head Cover | QYRM0002 | 1 | | | N |
| C | G2 | Front Panel | QGPM0013A | 1 | | | N |
| B | G3 | See-Saw Knob | QGTMM0019 | 2 | | | N |
| B | G4 | Volume Knob Assembly | QYTM0016K | 1 | | | N  |
| B | G5 | Balance Knob Assembly | QYTM0015K | 1 | | | N  |
| B | G6 | Push Button Assembly | QYTM0017 | 1 | | | N |
| B | (G6) | ” | QYTM0018 | 1 | | | N |
| C | G7 | Back Board | QGPM0011 | 1 | | | N |
| C | G8 | Top Cover | QKFM0015K | 1 | | | N |
| C | G9 | Bottom Plate | QMFM0005 | 1 | | | N |
| C | (G9) | ” | QMFM0004 | 1 | | | N |
| C | G10 | Tapping Screw ⊕3×8 | XTB3+8B | 6 | | | COMMON |
| C | G11 | ” | XTB3+8BK | 12 | | | ” |
| C | G12 | Washer | XWG4E10FZ | 4 | | | ” |
| C | G13 | ” | XWA43FZ | 4 | | | ” |
| C | G14 | Screw ⊕4×8 | XBS4+8KS | 4 | | | ”  |
| C | G15 | Tapping Screw ⊕3×8 | XTV3+8BR | 6 | | | ” |
| C | G16 | Rubber Foot | QKA1030 | 4 | | | RS-802US, 810S |
| C | G17 | Tapping Screw ⊕3×10 | XTV3+10B | 4 | | | COMMON |
| | | <u>ACCESSORIES</u> | | | | | |
| C | A1 | Accessory Bag | QPW1125 | 1 | | | COMMON |
| C | A2 | Connection Cord | RP8125 (QEB0060P) | 2 | | | RS-260US, 263US |

RS-610US
RS-610USD

NOTE: Ref. No. enclosed in () indicate the parts that are used for RS-610USD.

| Rank | Ref. No. | Description | Part No. | Pcs/ Set | Price (Per Pce.) | | Remarks |
|----------|----------|------------------------|--------------|-------------|------------------|--|--|
| | | | | | | | |
| C | (A2) | DIN Cord | QEB0042P | 1 | | | RS-203S, 271US |
| C | A3 | AC Plug Adaptor | QJP0603S | 1 | | | COMMON  |
| C | A4 | Cassette Music Tape | QFT6TCJNTBFZ | 1 | | | RS-276US, 279US |
| C | A5 | Instruction Book | QQT0684 | 1 | | | N |
| C | (A5) | ” | QQT0685 | 1 | | | N |
| | | <u>PACKINGS</u> | | | | | |
| C | P1 | Inside Carton | QPNM0056 | 1 | | | N |
| C | (P1) | ” | QPNM0057 | 1 | | | N |
| C | P2 | Inner Cushion-R | QPAM0004 | 1 | | | N |
| C | P3 | Inner Cushion-L | QPAM0005 | 1 | | | N |
| C | P4 | Dust Cover | XZB50X60A05 | 1 | | | RS-267US, 282S |

RECOMMENDED STOCK OF REPLACEMENT PARTS

| Rank of Part | Estimated Selling Q'ty of Tape Recorder Set | | | | | |
|---------------------|---|-----|-----|-----|-------|-------|
| | Less than 50 | 100 | 300 | 500 | 1,000 | 2,000 |
| A rank Parts | 2 | 5 | 15 | 20 | 40 | 80 |
| B rank Parts | 1 | 2 | 5 | 10 | 20 | 40 |
| C rank Parts | 0 | 1 | 3 | 5 | 10 | 20 |